Approved for use through 10/31/2002, OMB 06519031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the scal number of the patent document. 3 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 4 Applicant is to place a check mark here if English Language Translation is attached.

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INIT	CODMATI	ONDI	SCLOSURE	Filing Date	February 16, 2001		
				First Named Inventor	FAN et al.		
ST	ATEMEN	IBYA	APPLICANT	Group Art Unit	1634		
	(use as many	sheets a	s necessary)	Examiner Name	Chakrabarti, A.		
Sheet	1	of	3	Attorney Docket Number	A-68970-1/DJB/RMS/DCF		

				U.S. PATENT DOCI	UMENTS	
Examiner InitiOs	Cite No.	U.S. Patent D Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
u	13/	5,494,810		Barany et al.	02/1996	
1 9 2002	Q.	5,604,097		Brenner	02/1997	
	3	5,763,175		Brenner	06/1998	RECEIVED
1,0	4	5,780,231		Brenner	07/1998	TIEOETTED
EMAP	5	5,795,714		Cantor et al.	08/1998	AUG 2 0 2002
	6	5,830,711		Barany et al.	11/1998	
	7	5,856,083		Chelsky et al.	01/1999	TECH CENTER 1600/2900
	8	5,858,732		Solomon et al.	01/1999	TEDITOLITIZATION OF THE
	9	5,976,797		Mitsuhashi	11/1999	
	10	6,013,456		Akhavan-Tafti	01/2000	
	11	6,027,889		Barany et al.	02/2000	
	12	6,051,380		Sosnowski et al.	04/2000	
	13	6,054,564		Barany et al.	04/2000	
	14	6,083,763		Balch	07/2000	
M	15	6,096,496		Frankel	08/2000	

					FOREIGN PATENT DOCUME	NTS		
Examiner Initials*	Cite No.	Foreign Office'		i Code ¹	Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	17*
W	16	wo	93/25563	Al	City of Hope	12/1993		
	17	wo	94/02515	A1	Bunsen Rush Laboratories Inc.	02/1994		
	18	wo	95/21271	Al	Molecular Tool Inc.	08/1995	•	
	19	wo	95/16918	AI	Combichem Inc.	06/1995		
	20	wo	96/15271	Al	Abbott Laboratories	05/1996		
	21	wo	96/30392	Al	Ciba-Geigy AG	10/1996		
	22	WO	97/31256	A2	Cornell Research Foundation, Inc.	08/1997		
n	23	wo	97/45559	AI	Cornell Research Foundation, Inc.	12/1997		

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Initials*	No.	Publisher	r, city and/or country where pub	blished.	+
111	38	Baner et al., "Signal amplification of padi	lock probes by forming ene	ic repriented,	
- V /	39	Lizardi et al., "Mutation detection and sin	727 (1010) 1998)		
	100	Ronaghi et al., "A Sequencing Method Ba	ased on Real-Time Pyroph	nosphate," Science, 281:363-365	
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	42	Syvanen, Anne-Christine. "From gels to o	chips: "Minisequencing 1	on 13:1-10 (1999).	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/785,514
Filing Date	February 16, 2001
First Named Inventor	JIAN-BING FAN
Group Art Unit	NOT YET ASSIGNED
Examiner Name	NOT YET ASSIGNED
Attorney Docket Number	A-68970-1/DJB/RMS/DCF

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١	Initi	als*	140.	Number	Kind Code ² (if known)	of Cited Document	MM-DD-YYYY	Figures Appear
M		1	1	4,200,110	-	Peterson et al.	4/1980	
"]			2	4,499,052		Fulwyler	2/1985	
- 1	_	Ĭ	3	4,682,895		Costello	7/1987	
- 1	_	×	4	4,785,814		Kane	11/1988	
			5	4,822,746	\neg	Walt	4/1989	
			6	4,824,789		Yafuso et al.	4/1989	
1	_	- 	7	4,999,306		Yafuso et al.	3/1991	
1	├	ľ	8	5,002,867		Macevicz	3/1991	
	-	 `	9	5,028,545		Soini	7/1991	
	-	H	10	5,105,305		Betzig et al.	4/1992	
	├-	\vdash	11	5,114,864		Walt	5/1992	
	\vdash	H	12	5,132,242		Cheung	7/1992	
	<u> </u>	$\vdash $	13	5,143,853		Walt	9/1992	
	-	-`-	14	5,194,300		Cheung	3/1993	
n	1	K	15	5,244,636		Walt et al.	9/1993	

								FOREIGN PATENT DOCUMEN	TS		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	09/785,514					
Filing Date	February 16, 2001					
First Named Inventor	JIAN-BING FAN					
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Examiner Name	NOT YET ASSIGNED					
Attorney Docket Number	A-68970-1/DJB/RMS/DCF					

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	l A	-	-	Number	(if kno	wn)			Figures Appear
1/4	THE	_ 27	,	5,244,813			Walt et al.	9/1993	
1	7,7	1 28	+	5,250,264		-	Walt et al.	10/1993	
		29	\rightarrow	5,252,494		/	Walt	10/1993	
		$\sqrt{\frac{1}{30}}$	-	5,254,477		_	Walt	10/1993	
- [/ 3	-	5,298,741	-		Walt et al.	3/1994	
	- 1	/ 3:	-	5,302,509			Cheeseman	4/1994	
- 1	 	3	$\overline{}$	5,320,814			Walt et al.	6/1994	
		3		5,357,590	Ę.		Auracher	10/1994	
- [7 3	5	5,380,489		F	Sutton et al.	1/1995	
- [H + 1	13	-	5,435,724			Goodman et al.	7/1995	
	 	$\sqrt{3}$	7	5,474,895			Ishii et al.	12/1995	
1	- 1	3		5,481,629			Tabuchi	1/1996	
1	h +	3		5,494,798		 -	Gerdt et al.	2/1996	
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		→	_	5,512,490		I	Walt et al.	4/1996	
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17	· - -		3	5,565,324		\perp	Still et al.	10/1996	

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•	Jones January Company
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Group Art Unit	NOT YET ASSIGNED
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И	7	50	53	5,573,909	-		Singer et al.	11/1996	
Ħ	Ť		54	5,575,849		_	Honda et al.	11/1996	
H	7	Ť	55	5,633,972		1	Walt et al.	5/1997	
H		1	56	5,639,603		1	Dower et al.	6/1997	
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-	+	1.7	61	5,854,684			Stabile et al.	12/1998	
\vdash	+	17	62	5,863,708		_	Zanzucchi et al.	1/1999	
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Application Number 09/785,514

Filing Date February 16, 2001

First Named Inventor JIAN-BING FAN

Group Art Unit NOT YET ASSIGNED

Examiner Name NOT YET ASSIGNED

Attorney Docket Number A-68970-1/DJB/RMS/DCF

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WACY 7		77	Abel et al., "Fiber-Optic Evanescent Wave Biosensor for the Detection of Oligonucleotides," Anal. Chem. 68:2905-2912 (1996).							
\Box		78	Anonymous, "Microsphere Selection Guide," Bandg Laboratories, (Fisher, In) September 1998.							
	\	79	Anonymous, "Fluorescent Microspheres," Tech. Note 19, Bang Laboratories, (Fishers, In) February 1997.							
	\	80	Bangs, L.B., "Immunological Applications of Microspheres," The Latex Course, Bangs Laboratories (Carmel, IN) April 1996.							
\prod	\	81	Barnard et al., "A Fibre-Optic Chemical Sensor with Discrete Sensing Sites," Nature, 353:338-340 (September 1991).							
П	1	82	Chen et al., "A Microsphere-Based Assay for Multiplexed Single Nucleotide Polymorphism Analysis Using Single Base Chain Extension," Genome Research, 10(4):549-557 (2000).							
	1	83	Czarnik, "Illuminating the SNP Genomic Code," Modern Drug Discovery, 1(2): 49-55 (1998).							
	1	84	Drmanac, R. et al., "Sequencing by Oligonucleotide Hybridization: A Promising Framework in Decoding of the Genome Program," The First International Conference on Electrophoresis, Supercomputing and the Human Genome, Proceeding os th April 10-13, 1990 Conference at Florida State University. Ed. C. Cantor and H. Lim.							
	J.	85	Drmanac, R. et al., "Prospects for a Miniaturized, Simplified and Frugal Human Genome Project," Scientia Yugoslavica, 16(1-2):97-107 (1990).							
	1	86	Drmanac, R. et al., "Sequencing by Hybridization (SBH) with Oligonucleotide Probes as an Integral Approach for the Analysis of Complex Genomes," International Journal of Genome Research, 1(1):59-79 (1992).							
	J	87	Drmanac, R. et al., "Sequencing by Hybridization," Automated DNA Sequencing and Analysis, ed. M. Adams, C. Fields and J. Venter. (1994).							
	~	88	Ferguson et al., "A Fiber-Optic DNA Biosensor Microarray for the Analysis of Gene Expression," Nature Biotechnology, 14:1681-1684 (1996).							
	V	89	Fuh et al., "Single Fibre Optic Fluorescence pH Probe," Analyst, 112:1159-1163 (1987).							
	/	90	Healey et al., "Improved Fiber-Optic Chemical Sensor for Penicillin," Anal. Chem. 67(24):4471-4476 (1995).							
	V	91	Healey et al., "Development of a Penicillin Biosensor Using a Single Optical Imaging Fiber," SPIE Proc. 2388:568-573 (1995).							
	1	92	Healey et al., "Fiberoptic DNA Sensor Array Capable of Detecting Point Mutations," Analytical Biochemistry, 251:270-279 (1997).							
	1	93	Hirschfeld et al., "Laser-Fiber-Optic "Optrode" for Real Time In Vivo Blood Carbon Dioxide Level Monitoring," Journal of Lightwave Technology, LT-5(7):1027-1033 (1987).							
K	VAL	94	Iannone et al., "Multiplexed Single Nucleotide Polymorphism Genotyping by Oligonucleotide Ligation and Flow Cytometry," Cytometry, 39:131-140 (2000).							
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Complete if Known 09/785,514 Application Number February 16, 2001 Filing Date JIAN-BING FAN First Named Inventor NOT YET ASSIGNED Group Art Unit NOT YET ASSIGNED Examiner Name A-68970-1/DJB/RMS/DCF Attorney Docket Number

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	1	5	95	Michael et al., "Making Sensors out of Disarray: Optical Sensor Microarrays," Proc. SPIE, 3270: 34-41 (1998).	
7		1	96	Michael et al., "Randomly Ordered Addressable High-Density Optical Sensor Arrays," Anal. Chem. 70(7): 1242-1248 (April 1998).	
		/	97	Michael et al., "Fabrication of Micro- and Nanostructures Using Optical Imaging Fibers and there Use as Chemical Sensors," Proc. 3rd Intl. Symp., Microstructures and Microfabricated Systems, ed. P.J. Hesketh, et al., v. 97-5, Electrochem. Soc., 152-157 (Aug. 1997).	
ſ		1	98	Mignani, et al., "In-Vivo Biomedical Monitoring by Fiber-Optic Systems," Journal of Lightwave Technology, 13(7): 1396-1406 (1995).	
	1	✓	99	Pantano et al., "Ordered Nanowell Arrays," Chem. Mater., 8(12): 2832-2835 (1996).	Ш
$/\Gamma$	\neg	1	100	Peterson et al., "Fiber-Optic Sensors for Biomedical Applications," Science, 13:123-127 (1984).	1
	丁	1	101	Peterson, J. et al., "Fiber Optic pH Probe for Physiological Use," Anal. Chem., 52:864-869 (1980).	\vdash
ľ		7	102	Piunno et al., "Fiber-Optic DNA Sensor for Fluorometric Nucleic Acid Determination," Anal. Chem., 67:2635-2643 (1995).	
		J	103	Pope, E. "Fiber Optic Chemical Microsensors Employing Optically Active Silica Microspehres," SPIE, 2388:245-256 (1995).	
		√	104	Strachan et al., "A Rapid General Method for the Identification of PCR Products Using a Fibre-Optic Biosensor and its Application to the Detection of Listeria," Letters in Applied Microbiology, 21:5-9 (1995).	
Ì	\neg	7	105	Walt, D. "Fiber Optic Imaging Sensors," Accounts of Chemical Research, 31(5): 267-278 (1998).	<u> </u>
ŀ	1	15	106	Walt, "Fiber-Optic Sensors for Continuous Clinical Monitoring," Proc. IEEE, 80(6): 903-911 (1992).	<u> </u>
X	K	2	107	Lyamichev et al., "Polymorphism identification and quantitative detection of genomic DNA by invasive cleavage of oligonucleotide probes," Nature Biotechnolgoy, 17:292-296 (1999).	
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